

MEETING SUMMARY

TO: Modeling Task Force Members

FROM: Dale Iwai

SUBJECT: Modeling Task Force Meeting Summary

MODELING TASK FORCE MEETING

January 25, 2006 - Wednesday
9:30 A.M. - 11:30 A.M.

Southern California
Association of Governments
818 W. 7th Street, 12th Floor
Los Angeles, CA 90017
Room – Riverside A

Attendees (Note: TRB Annual Meeting held same week).

| | |
|-----------------|--------------|
| Chaushie Chu | Teresa Wang |
| Deng Bang Lee | Shrini Bhat |
| Mony Patel | Firooz Hamed |
| Tim Byrne | Roy Choi |
| Anup Kulkarni | Bob Huddy |
| Kathy Hsiao | Fred Zehreld |
| Mike Labudzki | |
| Dale Iwai | |
| Mike Ainsworth | |
| J.D. Douglas | |
| Ryan Graham | |
| Steve Smith | |
| William McKenna | |
| Guoxiong Huang | |
| Bob Cheung | |
| Chao Wei | |
| Ed Humenik | |
| Gerald Bare | |
| Vin Kumar | |
| Christopher Hy | |

MEETING SUMMARY

1.0 Call to Order

Modeling Task Force Chairman Chaushie Chu, MTA, called the meeting to order. This was followed by self introductions by members of the MTF and others at the meeting.

2.0 Public Comment Period – There were no comments

3.0 Consent Calendar - Review and Approve Previous Meeting Summary – Minutes approved

4.0 Action Item – Mony Patel of the L.A. City D.O.T. was reaffirmed by the MTF members as the new Modeling Task Force Chair for the year 2006. The members expressed their appreciation to Chaushie Chu for the excellent job of chairing the MTF meetings for the past year.

5.0 Information Items

5.1 **Heavy Duty Truck Model Improvement Program.** Mike Ainsworth provided an update on the truck model. An additional \$134,000 is added to the truck survey for more surveys, GPS survey, and additional truck counts. The survey plan target is guaranteed for a sample of 1,600 to 1,800. The DMV address data is the source for survey selection. An additional four months has been added to the schedule. Kathy Hsiao asked if the updated truck model will be used for the 2007 AQMP. The response was that the external truck model and the new port trips will be used, but the internal truck model, based on the new surveys, will not be available.

5.2 **SCAG Model Improvement Peer Review Panel.** Deng Bang Lee provided a power point slide presentation that covered an overview of SCAG's Model Improvement program. The presentation highlighted the Model Improvement Project, the timeline for the short-term, intermediate, and the long-term goals of the project, the estimation data, the various models (trip generation, trip distribution, mode split, and VDF curves for assignment). The estimation data was based on multiple surveys conducted in the region such as the 2000 post census travel survey, transit on-board O-D surveys, regional cordon survey, street/highway inventory survey, arterial speed study, regional screenline study, LADOT street inventory survey, trucking firm O-D survey, high-speed rail stated preference survey. After the presentation there was a good discussion about what some members of the MTF thought were weaknesses in the travel demand model and their re-collection of comments from the Panel members.

Chaushie Chu pointed out that the panel gave good marks for the large amount of survey data, and studies conducted for this model improvement project. The panel also gave good marks on the heavy duty truck model incorporated into SCAG's Travel Demand Model. SCAG is one of the few MPOs in the country to have a truck model for their region. Some panel members expressed concerns about the nesting of the commuter rail in the mode choice model. Documentation, including

the recommendations, from the Peer Review Panel will be completed soon and will be posted on the website. We will provide more information as soon as available.

- 5.3 2003 Model Validation Program. Guoxiong Huang provided an overview of the current model validation project. Estimation draft is completed. Final version will be completed in a couple of months. A technical sub-committee was formed to review and discuss inputs and assumptions to the new model. Revisions are being made on the networks. Data to be included in the validation database (counts, speeds, VMT, etc.) will be completed in a couple of months. Hard drive space in the computers to be clustered will be increased from 60 GB to 2,000 GB. About 70-80 hours to run on current individual PCs. With the clustering of PCs with dual processors, the run time should be reduced significantly. The revised schedule is to complete 2003 model validation by end of this fiscal year.
- 5.4 Sub-regional Modeling Projects. Mike Ainsworth provided an update on current and upcoming sub-regional modeling projects in the region. Arroyo Verdugo Sub-regional Model: Develop sub-regional model based on existing city models, use current SED and network assumptions, be consistent with SCAG's growth forecast and SCAG's new model methodology. Incorporate heavy-duty trucks and perform model validation and future year model runs. RFP was released on January 12, 2006. Ventura County Model Update: Update existing Ventura county sub-regional model, be consistent with SCAG's growth forecast and SCAG's new model methodology. Perform model validation and future year model runs and install on VCTC's computer and provide training. RFP was released on December 28, 2005. Imperial County Cross-Border Survey: Gather trip data at Imperial's 3 border crossings, survey weekend and weekday travel, survey autos, trucks, and pedestrians. Conduct counts concurrently with the surveys and geo-code and expand survey responses. RFP was released on December 28, 2006.
- 5.5 2005 State of the Region report. Ping Chang gave a power point presentation of highlights from the state of the region report. This report is published annually by SCAG and track changes in population (by demographics, new and settled immigrants), housing (ownership, affordability), the economy (employment sector and income), education, and transportation (mobility, transit boardings, mode choice for work), and the environment (air quality, water resources, and solid waste). These quantifiable measures are compared with other metropolitan areas in the United States and a report card is provided for the state of the SCAG region. The report card shows that mobility in the region from the year 2000 to 2004 has not improved since the year 2000, but has been getting worse (D, D, D-, D-, and F).

The complete report can be found on SCAG's website in the publications
<http://scag.ca.gov/publications/>

Any slides used in the above presentations can be found on SCAG's website:
<http://scag.ca.gov/modeling/mtf/>

7.0 Open Discussion and Other Business. – None.

8.0 Schedule and Agenda Items for Next Meeting.

The next meeting is scheduled for March 22, 2006.

9.0 Adjournment.

If members have any questions regarding an agenda item, please contact Dale Iwai at (213) 236-1894 or email at iwai@scag.ca.gov